

Supplementary Figures

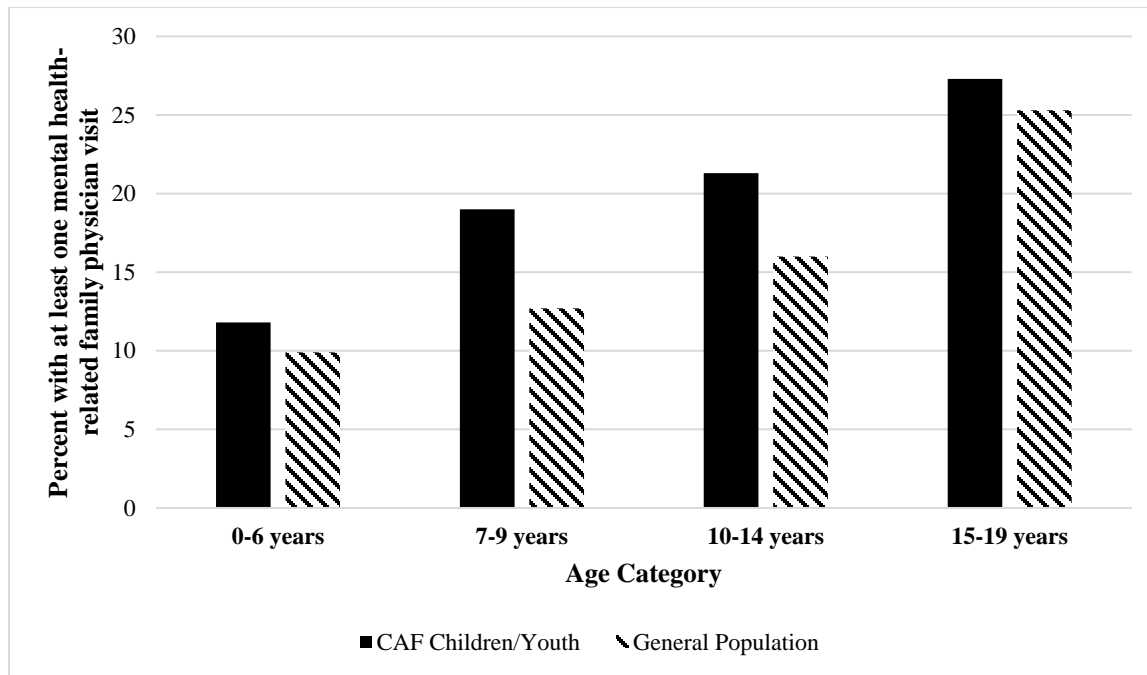


Figure S1: Comparison of outpatient mental health-related family physician visits for children and youth in CAF families and general population comparison cohort, stratified by age

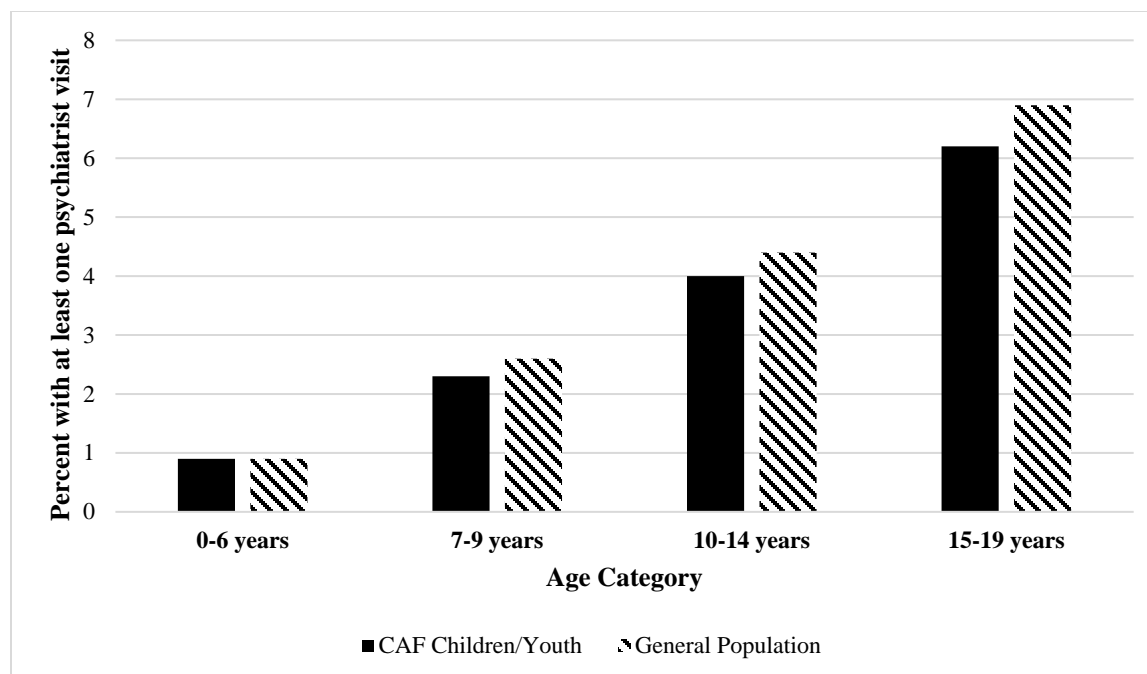


Figure S2: Comparison of outpatient psychiatrist visits for children and youth in CAF families and matched general population, stratified by age

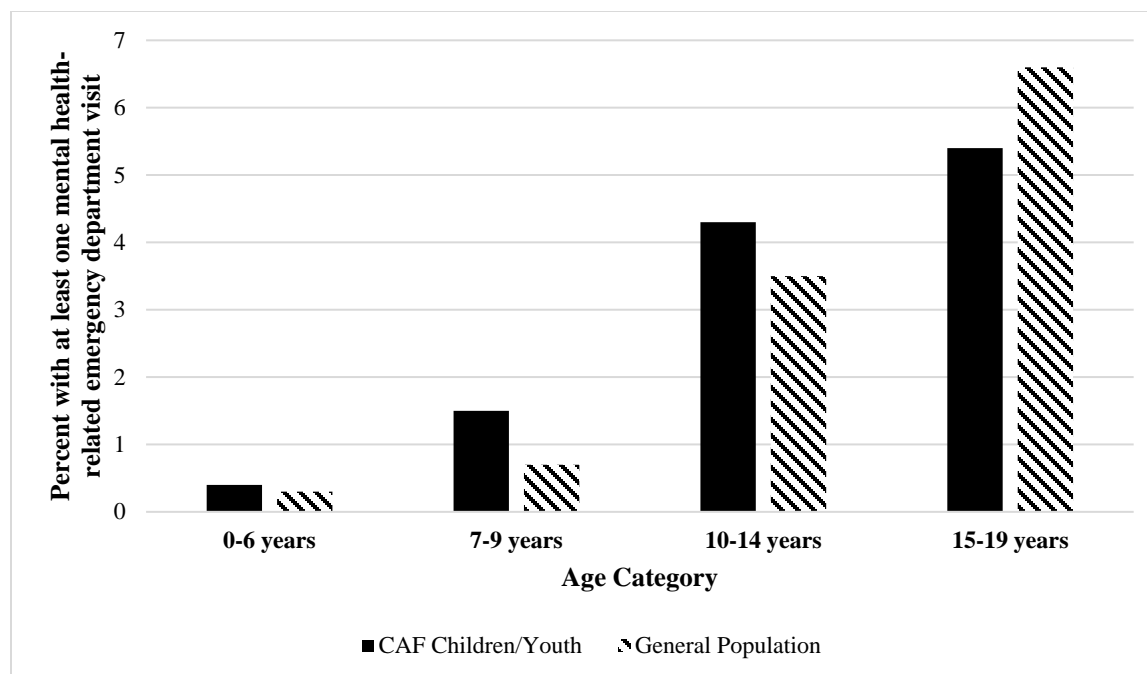


Figure S3: Comparison of psychiatric emergency department visits for children and youth in CAF families and age, sex, and geography matched general population children and youth

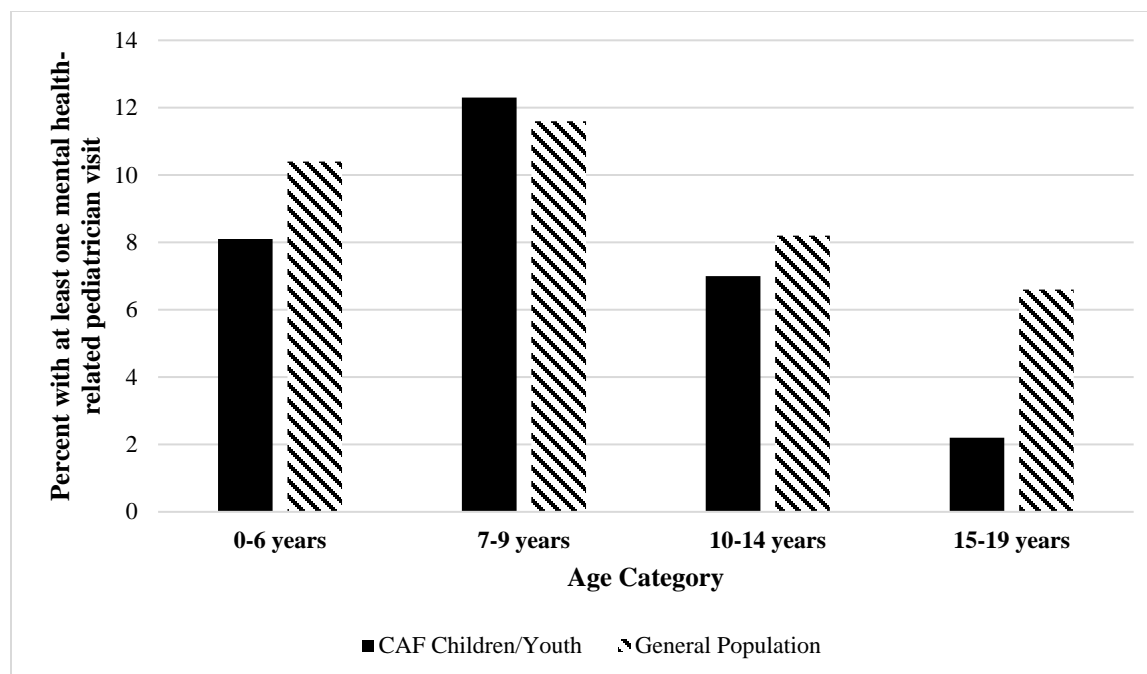


Figure S4: Comparison of outpatient paediatrician visits for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by age

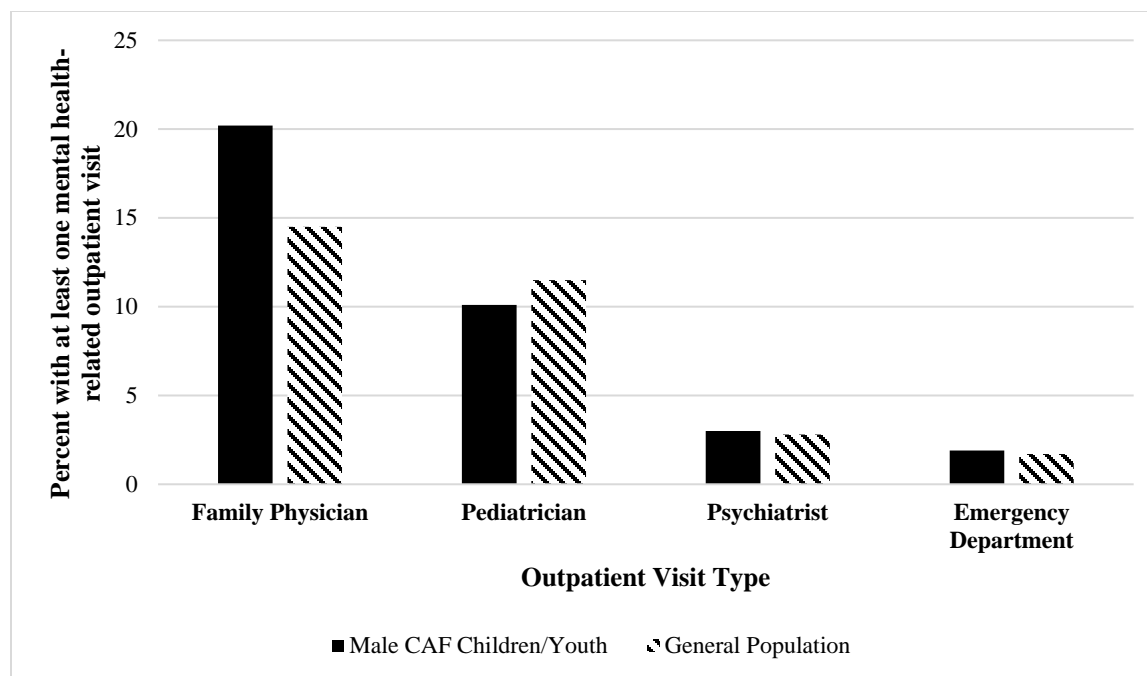


Figure S5: Comparison of mental health related outpatient visits for boys in CAF families and civilians, by physician specialty

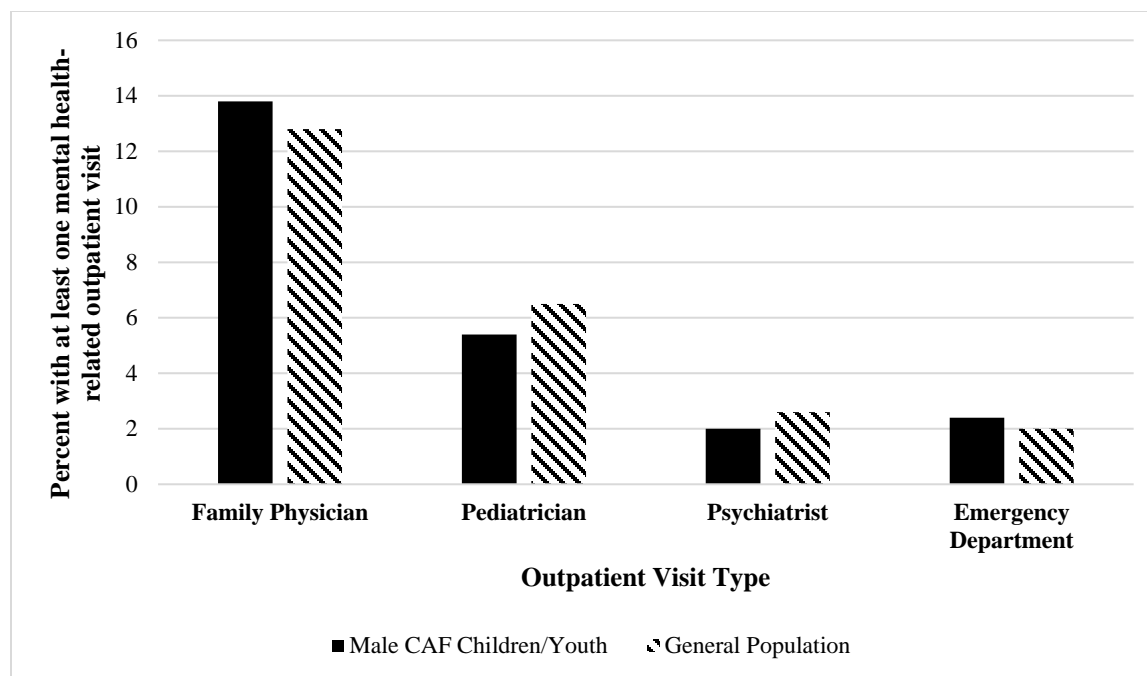


Figure S6: Comparison of mental health related outpatient visits for girls in CAF families and civilians, by physician specialty

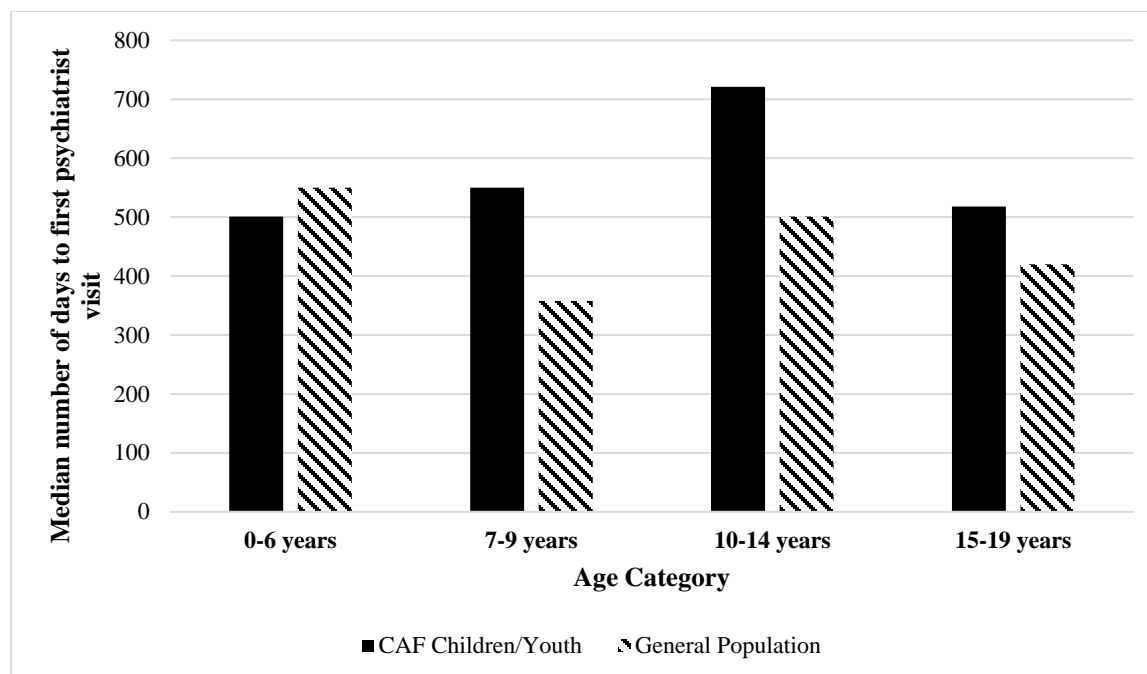
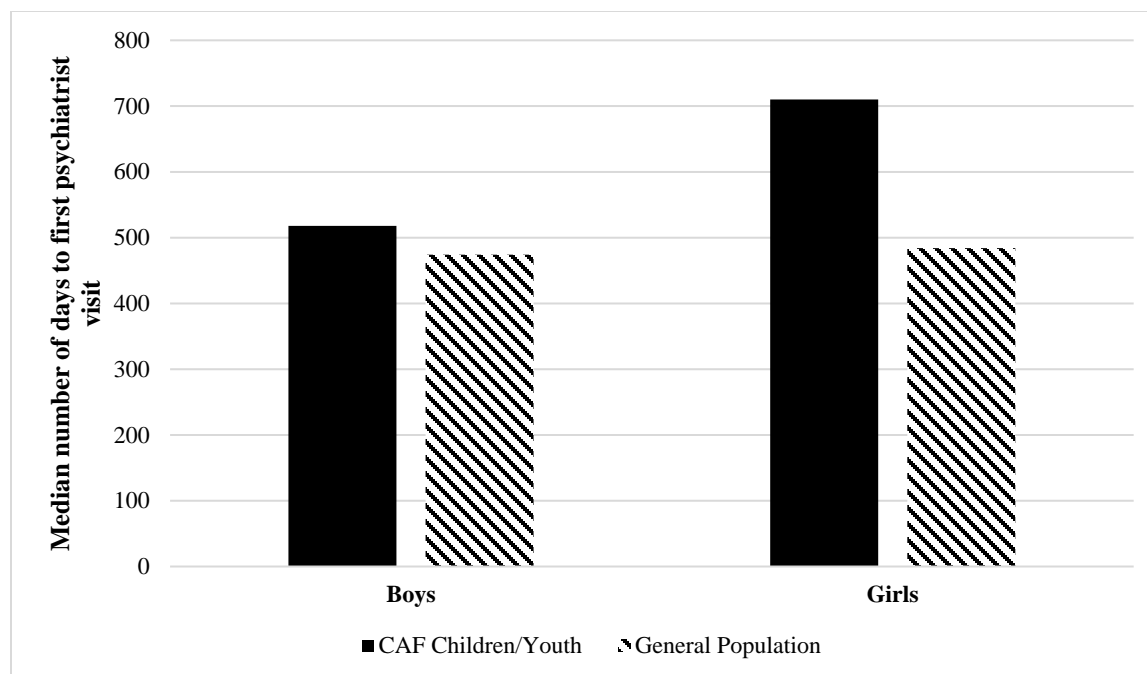


Figure S7: Time to first mental health-related psychiatrist visit for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by age



Supplementary Figure S8: Time to first mental health-related psychiatrist visit for children and youth in CAF families and age, sex, and geography matched general population children and youth, stratified by sex

Supplementary Table S1:

Supplementary Table S1: Diagnosis codes and data sources used to identify mental health related health service utilization

| Database | Diagnostic Code | Description |
|---------------------------------------------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| OHIP physician billing records ¹ | 290 | Senile Dementia |
| | 291 | Alcoholic Psychosis, Korsakov's Psychosis |
| | 292 | Drug Psychosis |
| | 295 | Schizophrenia |
| | 296 | Manic Depressive Psychosis, Melancholia |
| | | Involutional |
| | 297 | Paranoid states |
| | 298 | Other psychoses |
| | 299 | Childhood psychoses (e.g. autism) |
| | 300 | Anxiety, neurosis, claustrophobia, depression-reactive, hysteria, neurasthenia, obsessive compulsive disorder, phobias (all types), suicidal tendencies |
| | 301 | Personality disorders (e.g., paranoid personality, schizoid personality, obsessive compulsive personality) |
| | 302 | Sexual deviations, frigidity |
| | 306 | Sexual dysfunction, psychosomatic disturbances |
| | 307 | Habit spasms, tics, stuttering, tension headaches, anorexia nervosa, sleep disorders, enuresis, stuttering |
| | 309 | Adjustment reaction |
| | 311 | Depressive or Other Non-psychotic Disorder, not classified elsewhere |
| | 313 | Behavior Disorders of Childhood and Adolescence |
| | 314 | Hyperactive child, Hyperkinetic Syndrome of Childhood |
| | 315 | Specified delays in development (e.g., dyslexia, dyslalia, motor retardation) |
| | 319 | Mental deficiency, retardation |
| CIHI/NACRS ICD-10 | F00-F09 | Organic, including symptomatic mental disorders |
| | F10-F19 | Mental and behavioural disorders due to psychoactive substance use |
| | F20-F29 | Schizophrenia, schizotypal and delusional disorders |
| | F30-F39 | Mood (affective) disorders |
| | F40-F49 | Neurotic, stress-related and somatoform disorders |

| | | |
|--|---------|-----------------------------------------------------------------------------------------------|
| | F50-F59 | Behavioural syndromes associated with physiological disturbances and physical factors |
| | F60-F69 | Disorders of adult personality and behaviour |
| | F70-F79 | Mental retardation |
| | F80-F89 | Disorders of psychological development |
| | F90-F98 | Behavioural and emotional disorders with onset usually occurring in childhood and adolescence |
| | F99 | Unspecified mental disorder |

¹Based on ICD-9 (International Statistical Classification of Diseases and Related Health Problems, 9th Revision); OHIP: Ontario Health Insurance Plan; CIHI-DAD= Canadian Institute of Health Information- Discharge Abstract Database; NACRS= National Ambulatory Care Reporting System

Supplementary Table S2: Median time to first mental health related visits by CAF children and youth and civilians in Ontario stratified by type of mental health encounter*

| | Time: median number of days (IQR) | |
|-----------------------------------------------|------------------------------------------|--------------------------------|
| | CAF children/youth | Civilian children/youth |
| Mental health related physician visits | | |
| Any outpatient | 388 (135 - 674) | 400 (130- 717) |
| Family physician | 432 (137 - 699) | 490 (213 - 789) |
| Paediatrician | 405 (201 - 684) | 355 (114 - 680) |
| Psychiatrist | 583 (354 - 854) | 479 (135 - 790) |

*In those with at least one visit; IQR=interquartile range